



PTO/SB/21 (09-04)

2124

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/747,824
	Filing Date	December 22, 2000
	First Named Inventor	Simons, John
	Art Unit	2124
	Examiner Name	Qamrun Nahar
Total Number of Pages in This Submission	Attorney Docket Number	
	16869C-017000US	

ENCLOSURES *(Check all that apply)*

<input checked="" type="checkbox"/> Processing Fee Transmittal <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <div style="text-align: center;"><input type="checkbox"/> Landscape Table on CD</div>	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <ol style="list-style-type: none"> 1. Request to Correct Inventorship 2. Inventor Statement for Correction 3. Declaration (signed in counterpart, with ADS attached) 4. Consent by Assignee in Support (including Statement Under 37 CFR 3.73(b) and COPY Recorded Assignment) 5. Assignment (w/ Recordation Cover Sheet) 6. Return Postcard
		<input type="checkbox"/> Remarks The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.
<input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Townsend and Townsend and Crew LLP		
Signature			
Printed name	Robert C. Colwell		
Date	March 14, 2005	Reg. No.	27,431

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature			
Typed or printed name	Margaret K. Stephan	Date	March 14, 2005



**PROCESSING FEE
Under 37 CFR 1.17(i)
TRANSMITTAL**

(Fees are subject to annual revision)

Send completed form to: Commissioner for Patents
P.O. Box 1450, Alexandria, VA 22313-1450

Application Number	09/747,824
Filing Date	December 22, 2000
First Named Inventor	SIMONS, John
Art Unit	2124
Examiner Name	Qamrun Nahar
Attorney Docket Number	16869C-017000US

Enclosed is a paper filed under 37 CFR 1.48(a) that requires a processing fee (37 CFR 1.17(i)).
Payment of \$ 130.00 is enclosed.

This form should be included with the above-mentioned paper and faxed or mailed to the Office using the appropriate Mail Stop, if applicable. For transmittal of petition fees under 37 CFR 1.17(f), (g) or (h), see or PTO/SB/17p.

Payment of Fees (small entity amounts are NOT available for the petition fees)

- The Commissioner is hereby authorized to charge the following fees to Deposit Account No. 20-1430:
 processing fee under 37 CFR 1.17(i) any deficiency of fees and credit of any overpayments
Enclose a duplicative copy of this form for fee processing.
- Check in the amount of \$ _____ is enclosed.
- Payment by credit card (Form PTO-2038 or equivalent enclosed). Do not provide credit card information on this form.

**Processing Fees under 37 CFR 1.17(i): Fee \$130 Fee Code 1808 for all,
Except for § 1.221 papers (Fee Code 1803)**

For papers filed under:

- § 1.28(c)(3) - for processing a non-itemized fee deficiency based on an error in small entity status.
§ 1.41 - for supplying the name or names of the inventor or inventors after the filing date without an oath or declaration as prescribed by § 1.63, except in provisional applications.
§ 1.48 - for correcting inventorship, except in provisional applications.
§ 1.52(d) - for processing a nonprovisional application filed with a specification in a language other than English.
§ 1.53(b)(3) - to convert a provisional application filed under § 1.53(c) into a nonprovisional application under § 1.53(b).
§ 1.55 - for entry of late priority papers.
§ 1.99(e) - for processing a belated submission under § 1.99.
§ 1.103(b) - for requesting limited suspension of action, continued prosecution application (§ 1.53(d)).
§ 1.103(c) - for requesting limited suspension of action, request for continued examination (§ 1.114).
§ 1.103(d) - for requesting deferred examination of an application.
§ 1.217 - for processing a redacted copy of a paper submitted in the file of an application in which a redacted copy was submitted for the patent application publication.
§ 1.221 - for requesting voluntary publication or republication of an application. Fee Code 1803
§ 1.291(c)(5) - for processing a second or subsequent protest by the same real party in interest.
§ 1.497(d) - for filing an oath or declaration pursuant to 35 U.S.C. 371(c)(4) naming an inventive entity different from the inventive entity set forth in the international stage.
§ 3.81 - for a patent to issue to assignee, assignment submitted after payment of the issue fee.

Signature

Robert C. Colwell

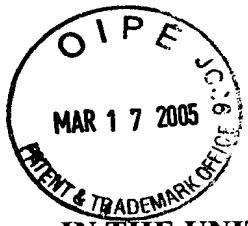
Typed or printed name

March 14, 2005

Date

27,431

Registration No., if applicable



PATENT
Docket No.: 16869C-017000US
Client Ref. No.: HAL-ID 150

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

JOHN SIMONS

Application No.: 09/747,824

Filed: December 22, 2000

For: Assembly Language Code
Compilation for an Instruction-Set
Architecture Containing New Instructions
Using the Prior Assembler

Examiner: Qamrun Nahar

Art Unit: 2124

Request to Correct Inventorship
Under 37 CFR § 1.48(a)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicant respectfully requests correction of inventorship by the addition of the following inventor:

Name: Avadhani Shridhar
Citizenship: U.S.
Mailing Address: 3703 Hillsdale Court
Santa Clara, CA 95051

The inventor Avadhani Shridhar was inadvertently omitted when this application was filed in the U.S. Patent and Trademark Office. The name was inadvertently omitted and this occurred without deceptive intent.

Submitted with this Request are the following documents:

- (1) Inventor Statement for Correction of Inventorship under 37 CFR §1.48(a)(2);
- (2) Consent by Assignee in Support of Request for Correction of Inventorship 37 C.F.R. § 1.48(a)(5);
- (3) Declaration (37 CFR 1.63) for Utility or Design Application Using an Application Data Sheet executed by John Simons and Avadhani Shridhar, with ADS attached;

- (4) Assignment executed by Avadhani Shridhar, with Recordation Form Cover Sheet; and
- (5) The processing fee as required under § 1.48(a)(4) (see Processing Fee Transmittal submitted herewith in duplicate).

Respectfully submitted,



Robert C. Colwell
Reg. No. 27,431

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: (650) 326-2400
Fax: (415) 576-0300
RCC:mks



PATENT
Docket No.: 16869C-017000US
Client Ref. No.: HAL-ID 150

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

JOHN SIMONS

Application No.: 09/747,824

Filed: December 22, 2000

For: Assembly Language Code
Compilation for an Instruction-Set
Architecture Containing New Instructions
Using the Prior Assembler

Examiner: Qamrun Nahar

Art Unit: 2124

Inventor Statement
for Correction of Inventorship
Under 37 CFR § 1.48(a)(2)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Avadhani Shridhar, hereby state that the error in inventorship in U.S. Patent Application Serial No. 09/747,824, filed December 22, 2000, which omitted my name as an inventor, occurred without any deceptive intention on my part.

Date: 2/25/2005

Avadhani Shridhar



DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	ASSEMBLY LANGUAGE CODE COMPILATION FOR AN INSTRUCTION-SET ARCHITECTURE CONTAINING NEW INSTRUCTIONS USING THE PRIOR ASSEMBLER
--------------------	--

As the below named inventor(s), I/we declare that:

This declaration is directed to:

- The attached application, or
 Application No. 09/747,824, filed on December 22, 2000,
 as amended on _____ (if applicable);

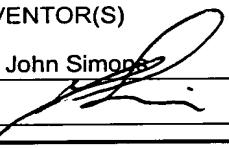
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR(S)

Inventor one: John Simons
Signature:  Citizen of: U.S.

Inventor two: Avadhani Shridhar
Signature: _____ Citizen of: U.S.

Inventor three: _____
Signature: _____ Citizen of: _____

Inventor four: _____
Signature: _____ Citizen of: _____

Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.



DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	ASSEMBLY LANGUAGE CODE COMPILATION FOR AN INSTRUCTION-SET ARCHITECTURE CONTAINING NEW INSTRUCTIONS USING THE PRIOR ASSEMBLER
--------------------	--

As the below named inventor(s), I/we declare that:

This declaration is directed to:

- The attached application, or
 Application No. 09/747,824, filed on December 22, 2000,
 as amended on _____ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR(S)

Inventor one: John Simons

Signature: _____ Citizen of: U.S.

Inventor two: Avadhani Shridhar

Signature: Simone Ray Citizen of: U.S.

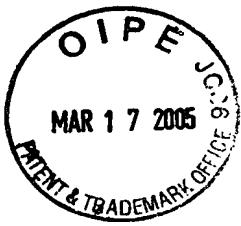
Inventor three: _____

Signature: _____ Citizen of: _____

Inventor four: _____

Signature: _____ Citizen of: _____

Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.



Application Data Sheet

Application Information

Application number:: 09/747,824
Filing Date:: 12/22/00
Application Type:: Regular
Subject Matter:: Utility
Suggested classification::
Suggested Group Art Unit::
CD-ROM or CD-R??::
Number of CD disks::
Number of copies of CDs::
Sequence Submission::
Computer Readable Form (CRF)?::
Number of copies of CRF::
Title:: Assembly Language Code Compilation for an Instruction-set Architecture Containing New Instructions Using the Prior Assembler
Attorney Docket Number:: 16869C-017000US
Request for Early Publication:: No
Request for Non-Publication:: No
Suggested Drawing Figure::
Total Drawing Sheets:: 4
Small Entity?:: No
Latin name::
Variety denomination name::
Petition included?:: No
Petition Type::
Licensed US Govt. Agency::
Contract or Grant Numbers One::
Secrecy Order in Parent Appl.?:: No

Applicant Information

Applicant Authority Type:: Inventor
Primary Citizenship Country:: US
Status:: Full Capacity
Given Name:: John
Middle Name::
Family Name:: Simons
Name Suffix::
City of Residence:: San Mateo
State or Province of Residence:: CA
Country of Residence:: US
Street of Mailing Address:: 633 - 29th Avenue
City of Mailing Address:: San Mateo
State or Province of mailing address:: CA
Country of mailing address:: US
Postal or Zip Code of mailing address:: 94403

Applicant Authority Type:: Inventor
Primary Citizenship Country:: US
Status:: Full Capacity
Given Name:: Avadhani
Middle Name::
Family Name:: Shridhar
Name Suffix::
City of Residence:: Santa Clara
State or Province of Residence:: CA
Country of Residence:: US
Street of Mailing Address:: 3703 Hillsdale Court
City of Mailing Address:: Santa Clara
State or Province of mailing address:: CA
Country of mailing address:: US
Postal or Zip Code of mailing address:: 95051

Correspondence Information

Correspondence Customer Number:: 20350

Representative Information

Representative Designation:: Representative Number:: Representative Name::
Primary 27,431 Robert C. Colwell

Domestic Priority Information

Application:: Continuity Type:: Parent Application:: Parent Filing Date::

Foreign Priority Information

Country:: Application number:: Filing Date::

Assignee Information

Assignee Name:: Hitachi America, Ltd.
Street of mailing address:: 50 Prospect Avenue
City of mailing address:: Tarrytown
State or Province of mailing address:: New York
Country of mailing address:: US
Postal or Zip Code of mailing address:: 10591-4698



PATENT
Docket No.: 16869C-017000US
Client Ref. No.: HAL-ID 150

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

JOHN SIMONS

Application No.: 09/747,824

Filed: December 22, 2000

For: Assembly Language Code
Compilation for an Instruction-Set
Architecture Containing New Instructions
Using the Prior Assembler

Examiner: Qamrun Nahar

Art Unit: 2124

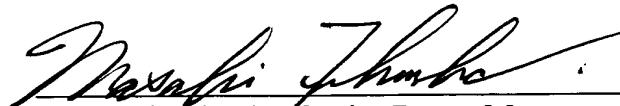
Consent by Assignee in Support of Request
for Correction of Inventorship Under
35 U.S.C. § 116 and 37 CFR § 1.48(a)(5)

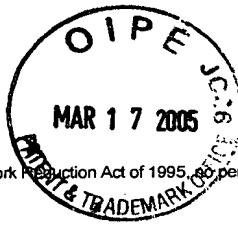
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.48(a), in support of the Request for Correction of Inventorship filed in connection with the above-identified patent application, the Assignee of the above-identified patent application, Hitachi America, Ltd., of 50 Prospect Avenue, Tarrytown, New York 10591-4698, hereby consents to the filing of the Request for Correction of Inventorship to add Avadhani Shridhar as a co-inventor to the above-identified patent application. Attached is a Statement Under 37 C.F.R. § 3.73(b), which establishes said ownership rights.

Date: 1/27/05


Masaki Fukuoka, Senior Patent Manager
Intellectual Property Group
Hitachi America, Ltd.



PTO/SB/96 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Attorney Docket No. 16869C-017000US

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: John Simons

Application No./Patent No.: 09/747,824 Filed/Issue Date: December 22, 2000

Entitled: Assembly Language Code Compilation for an Instruction-Set Architecture Containing New Instructions...

Hitachi America, Ltd., a corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency,
etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is ____ %

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 011411, Frame 0503, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:1. From: _____ To : _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.2. From: _____ To : _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.3. From: _____ To : _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached. Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

1/27/05

Date

Masaki Fukuoka

Typed or printed name

Signature

Senior Patent Manager, Intellectual Property Group

Title



TOWNSEND & TOWNSEND
& CREW

MARCH 21, 2001

01 MAR 27 AM 8:29
PTAS

TOWNSEND AND TOWNSEND AND GROW LLP
ROBERT J. BENNETT
TWO EMBARCADERO CENTER, 8TH FLOOR
SAN FRANCISCO, CALIFORNIA 94111-3834

168-9C-017000US
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

COPY

R.C. Colwell/



101579024A

R.J. Bennett

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/22/2000

REEL/FRAME: 011411/0503

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SIMONS, JOHN

DOC DATE: 12/20/2000

ASSIGNEE:

HITACHI AMERICA, LTD.
50 PROSPECT AVENUE
TARRYTOWN, NEW YORK 10591-4698

SERIAL NUMBER: 09747824

FILING DATE: 12/22/2000

PATENT NUMBER:

ISSUE DATE:

JACQUELINE MOORE, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

01/12/2001

FORM PTO-1595
(Rev. 6-93)

101579024

09/747,824

Attorney Docket No. 16869C-017000US

Client Ref.: HAL 150

COPYCover Sheet
OnlyU.S. Department of Commerce
Patent and Trademark Office

To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

John Simons

Additional name(s) of conveying parties attached? Yes No.

3. Nature of conveyance:

- Assignment Merger
 Security Agreement Change of Name
 Other:

Execution Date: December 20, 2000

2. Name and address of receiving party(ies)

Name: Hitachi America, Ltd.

Internal Address:

Street Address: 50 Prospect Avenue

City: Tarrytown State: NY ZIP: 10591-4698

JC490 U.S. PRO 09/747,824 12/22/00

Additional names and addresses attached? Yes No

4. Application Number(s) or Patent Numbers.

If this document is being filed together with a new application, the execution date of the application is: December 20, 2000

A. Patent Application No(s):

B. Patent No(s):

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert J. Bennett
 TOWNSEND AND TOWNSEND AND CREW LLP
 Two Embarcadero Center, 8th Floor
 San Francisco, California 94111-3834
 (415) 576-0200

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): \$40.00

 Enclosed Charge Fees to Deposit Account Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

8. Deposit account number: 20-1430

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Robert J. Bennett
 Name of Person Signing

Atty. Reg. No. 27,533

12-22-2000
Date

Total number of pages including cover sheet, attachments and document 4

10. Change Correspondence Address to that of Part 5? Yes No

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover to:

10/2001 DNGUYEN 00000083 201430 09747824

FC:581

40.00 CH

Asst. Commissioner for Patents
 Box: Assignments
 Washington, D.C. 20231

FORM PTO-1595
(Rev. 6-93)Recordation Form Cover Sheet
(Patents Only)U.S. Department of Commerce
Patent and Trademark Office**COPY**

To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

John Simons

Additional name(s) of conveying parties attached? Yes
 No.

3. Nature of conveyance:

- Assignment Merger
 Security Agreement Change of Name
 Other:

Execution Date: December 20, 2000

2. Name and address of receiving party(ies)

Name: Hitachi America, Ltd.

Internal Address:

Street Address: 50 Prospect Avenue

City: Tarrytown State: NY ZIP: 10591-4698

Additional names and addresses attached? Yes

4. Application Number(s) or Patent Numbers.

If this document is being filed together with a new application, the execution date of the application is: December 20, 2000

A. Patent Application No(s):

B. Patent No(s):

Additional numbers attached? Yes No

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Name: Robert J. Bennett
 TOWNSEND AND TOWNSEND AND CREW LLP
 Two Embarcadero Center, 8th Floor
 San Francisco, California 94111-3834
 (415) 576-0200

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): \$40.00

 Enclosed Charge Fees to Deposit Account Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

8. Deposit account number: 20-1430

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Robert J. Bennett
 Name of Person Signing

12-22-2000
 Date

Atty. Reg. No. 27,533

Total number of pages including cover sheet, attachments and document 4

10. Change Correspondence Address to that of Part 5? Yes No

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover to:

Asst. Commissioner for Patents
 Box: Assignments
 Washington, D.C. 20231

ASSIGNMENT OF PATENT APPLICATION

COPY

SOLE

WHEREAS, John Simons, of 633 - 29th Avenue, San Mateo, CA 94403; hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **ASSEMBLY LANGUAGE CODE COMPILATION FOR AN INSTRUCTION-SET ARCHITECTURE CONTAINING NEW INSTRUCTIONS USING THE PRIOR ASSEMBLER**

Date(s) of execution of Declaration:

Filing Date: / /

Application No.: ; and

WHEREAS, Hitachi America, Ltd., located at Legal Office, 50 Prospect Avenue, Tarrytown, NY, 10591-4698, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

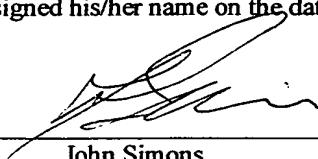
Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

COPY

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Dated: December 20, 2000



John Simons

STATE OF CALIFORNIA)

COUNTY OF)

) ss.

On _____,

personally appeared John Simons, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

See attac

NOTARY PUBLIC

My Commission Expires: _____

SF 1167727 v1

COPY**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of

Santa Clara

} ss.

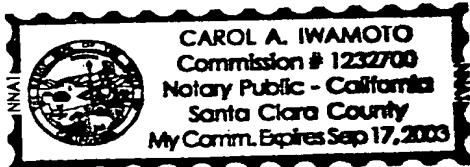
On Dec 20, 2000, before me, Carol A. Iwamoto, Notary Public
Date _____ Name and Title of Officer (e.g., Jane Doe, Notary Public)personally appeared John Simons _____
Name(s) of Signer(s) personally known to me proved to me on the basis of satisfactory
evidence

to be the person(s) whose name(s) is/are
subscribed to the within instrument and
acknowledged to me that he/she/they executed
the same in his/her/their authorized
capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or
the entity upon behalf of which the person(s)
acted, executed the instrument.

WITNESS my hand and official seal.

Carol A. Iwamoto

Signature of Notary Public



document bears
embossment

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document
and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached DocumentTitle or Type of Document: Assignment of Patent ApplicationDocument Date: Dec 20, 2000Number of Pages 2, Single SidedSigner(s) Other Than Named Above: None**Capacity(jes) Claimed by Signer**Signer's Name: John Simons

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____

Signer Is Representing: Self